

CLAIM AMENDMENTS

Please amend the claims as follows:

- 1 1. *(currently amended)* A structural reflective insulating material comprising:
 - 2 a first outer layer of metal reflective foil;
 - 3 an adhesive binding coating material on an inner side of said first outer
 - 4 layer of reflective foil;
 - 5 at least a first layer of foam material secured to said first layer of said
 - 6 reflective foil;
 - 7 at least one layer of wire mesh material sandwiched between at least
 - 8 said first layer of foam material and at least a second layer of foam material;
 - 9 at least a second layer of foam material;
 - 10 a coating or adhesive binding material between at least a second layer
 - 11 of foam material and at least a second inner layer of reflective foil; and
 - 12 at least a second layer of reflective foil bound to at least a second layer
 - 13 of foam material by the adhesive binding material;
 - 14 wherein the structural reflective insulating material is pliable so it is
 - 15 capable of being formed into ducts and other structural items.

- 1 2. *(original)* The structural reflective insulating material of claim 1 wherein at
- 2 least one of said first outer and second inner layers of reflective foil is aluminum.

- 1 3. *(original)* The structural reflective insulating material of claim 1 wherein at
- 2 least one of the first and second layers of foam material comprise polyethylene foam.

1 4.(*original*) The structural reflective insulating material of claim 2 wherein at
2 least one of the first and second layers of foam material comprise polyethylene foam.

1 5.(*original*) The structural reflective insulating material of claim 1 wherein the
2 coating of adhesive binding material is polyurethane.

1 6.(*original*) The structural reflective insulating material of claim 2 wherein the
2 coating of adhesive binding material is polyurethane.

1 7.(*original*) The structural reflective insulating material of claim 3 wherein the
2 coating of adhesive binding material is polyurethane.

1 8.(*original*) The structural reflective insulating material of claim 4 wherein the
2 coating of adhesive binding material is polyurethane.

1 9.(*currently amended*) The structural reflective insulating material of claim
2 1 wherein the mesh material is one from a group consisting and of aluminum or and
3 galvanized steel.

1 10.(*previously presented*) The structural reflective insulating material of
2 claim 2 wherein the mesh material is one from a group consisting of aluminum and
3 galvanized steel.

1 **11.(previously presented)** The structural reflective insulating material of
2 claim 3 wherein the mesh material is one from a group consisting of aluminum and
3 galvanized steel.

1 **12.(previously presented)** The structural reflective insulating material of
2 claim 4 wherein the mesh material is one from a group consisting of aluminum and
3 galvanized steel.

1 **13.(previously presented)** The structural reflective insulating material of
2 claim 5 wherein the mesh material is one from a group consisting of aluminum and
3 galvanized steel.

1 **14.(previously presented)** The structural reflective insulating material of
2 claim 6 wherein the mesh material is one from a group consisting of aluminum and
3 galvanized steel.

1 **15.(previously presented)** The structural reflective insulating material of
2 claim 7 wherein the mesh material is one from a group consisting of aluminum and
3 galvanized steel.

1 **16.(previously presented)** The structural reflective insulating material of
2 claim 8 wherein the mesh material is one from a group consisting of aluminum and
3 galvanized steel.

1 17.(withdrawn) A method of manufacturing a pliable structural reflective
2 insulating material capable of being formed into ducts and other structural items
3 comprising the steps of:

4 coating a first layer of reflective foil on one side with an adhesive
5 binding material;

6 placing a first layer of foam material against the coating;

7 laying a mesh material on the first layer of foam material;

8 placing a second layer of foam material over the mesh material;

9 coating a second layer of reflective foil on one side with an
10 adhesive binding material;

11 placing the second layer of reflective foil with the side coated
12 with an adhesive binding material against the second layer of foam
13 material; and

14 running the material through a heat press to bind all layers of
15 material together to form an integral structural reflective insulating
16 material.

1 **18.(withdrawn)** A method of making an air duct from a pliable structural
2 reflective insulating material capable of being formed into ducts and other structural
3 items comprised of a first outer layer of reflective foil; an adhesive binding coating
4 material on an inner side of said first outer layer of reflective foil; at least a first layer
5 of foam material secured to said first layer of said reflective foil; at least one layer of
6 mesh material sandwiched between at least said first layer of foam material and at
7 least a second layer of foam material; at least a second layer of foam material; a
8 coating or adhesive binding material between the at least a second layer of foam
9 material and the at least a second inner layer of reflective foil; and the at least a
10 second inner layer of reflective foil, comprising the steps of;

11 folding a piece of the structural reflective insulating material as
12 many times as necessary so that ends of the piece form a channel; and
13 securing the ends together by securing means to form a desired
14 configuration.

1 **19.(withdrawn)** The method of forming the air duct in claim 18 wherein the
2 securing means consists of metallic tape.

1 **20.(withdrawn)** The method of forming the air duct in claim 18 wherein the
2 desired configuration is substantially rectangular.

1 **21.(withdrawn)** The method of forming the air duct in claim 18 wherein the
2 desired configuration is substantially circular.

1 22.(withdrawn) The method of forming the air duct of claim 21 wherein the
2 securing means further comprises an inward curved hook on one end of the material
3 and an outward curved hook on a second end, said curved hooks being interconnected
4 to lock the duct in the substantially circular configuration.